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OCT 25 2004

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

Applicant : CIIAI ET AL
Serial No. : 10/623,226
Filed : 07/18/2003
TC/A.U. : 2878
Examiner : Shun Lee
Docket No. : UCF-237DIV
Customer No. : 23717
For : LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL
SCINTILLATOR

AMENDMENT UNDER '116

Commissioner of Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In response to the Final Office Action of June 16, 2004, and the advisory action mailed October 4, 2004 and the telephonic conversation with Examiner Lee on October 20, 2004, please amend the above identified application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks/Arguments begin on page 6 of this paper.